

Transport
Canada

DEPT. OF TRANSPORTATION
DOCKETS

No. CF-2003-16

Issue Date: 27 June 2003

Foreign A.D.

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AIRWORTHINESS DIRECTIVE

The following airworthiness directive (AD) may be applicable to an aircraft which our records indicate is registered in your name. ADs are issued pursuant to Canadian Aviation Regulation (CAR) 593. Pursuant to CAR 605.84 and the further details of CAR Standard 625, Appendix H, the continuing airworthiness of a Canadian registered aircraft is contingent upon compliance with all applicable ADs. Failure to comply with the requirements of an AD may invalidate the flight authorization of the aircraft. Alternative means of compliance shall be applied for in accordance with CAR 605.84 and the above- referenced Standard.

This AD has been issued by the Continuing Airworthiness Division (AARDG), Aircraft Certification Branch, Transport Canada, Ottawa, telephone (613) 952-4357.

Number: CF-2003-16

Subject: PT6B Engine Series – Review of Critical Part Life Limits - Compressor Rear Hub P/N 3018111

Effective: To be the same as the issue date.

Applicability: All Pratt & Whitney Canada (P&WC) PT6B-36A, and PT6B-36B Engines.

Compliance: As detailed below, unless already accomplished.

Background: During a recent review of the published critical part life limits in P&WC Service Bulletin (SB) 11002, an error was found which has potential safety implications. The life limit for the compressor rear hub P/N 3018111 remains unchanged, however, the Flight Count Factor criteria should be 3 instead of 1. P&WC has reviewed engine running times and one compressor rear hub was found exceeding the life limit using the correct Flight Count Factor of 3. That compressor rear hub has been removed from service.

This AD requires the operators to correct their critical part records for the compressor rear hub P/N 3018111 installed in their PT6B-36A, and PT6B-36B engines.

- Corrective Actions:**
1. Within 30 days, or at the next engine shop visit, whichever occurs first after the effective date of this directive, review and correct the critical part records for Compressor Rear Hub P/N 3018111 in accordance with P&WC SB 11002 Revision 8, dated 11 June 2003, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.
 2. If a Compressor Rear Hub is found to be greater than the published life limit contained in P&WC SB 11002, the part must be removed. An additional 25 cycles or 25 hours, whichever occurs first, is allowed only for the purpose of ferry flights to reach an overhaul facility capable of changing the part.

Authorization: For Minister of Transport
Anthony Wan
Acting Chief, Continuing Airworthiness

Contact: Mr. Luc Deniger Continuing Airworthiness, Ottawa, telephone (613) 952-5385, facsimile (613) 996-9178 or e-mail denigel@tc.gc.ca or any Transport Canada Centre.

Pursuant to CAR 202.51 the registered owner of a Canadian aircraft shall, within seven days, notify the Minister in writing of any change of his or her name or address. To

request
a change of address, contact the Civil Aviation Communications Centre (AARC) at Place de Ville, Ottawa, Ontario K1A 0N8, or 1-800-305-2059, or
<http://www.tc.gc.ca/civilaviation/certification/menu.htm>.